

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050850

Luminaire Tested: 24PTR-20-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-PP3-L830-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

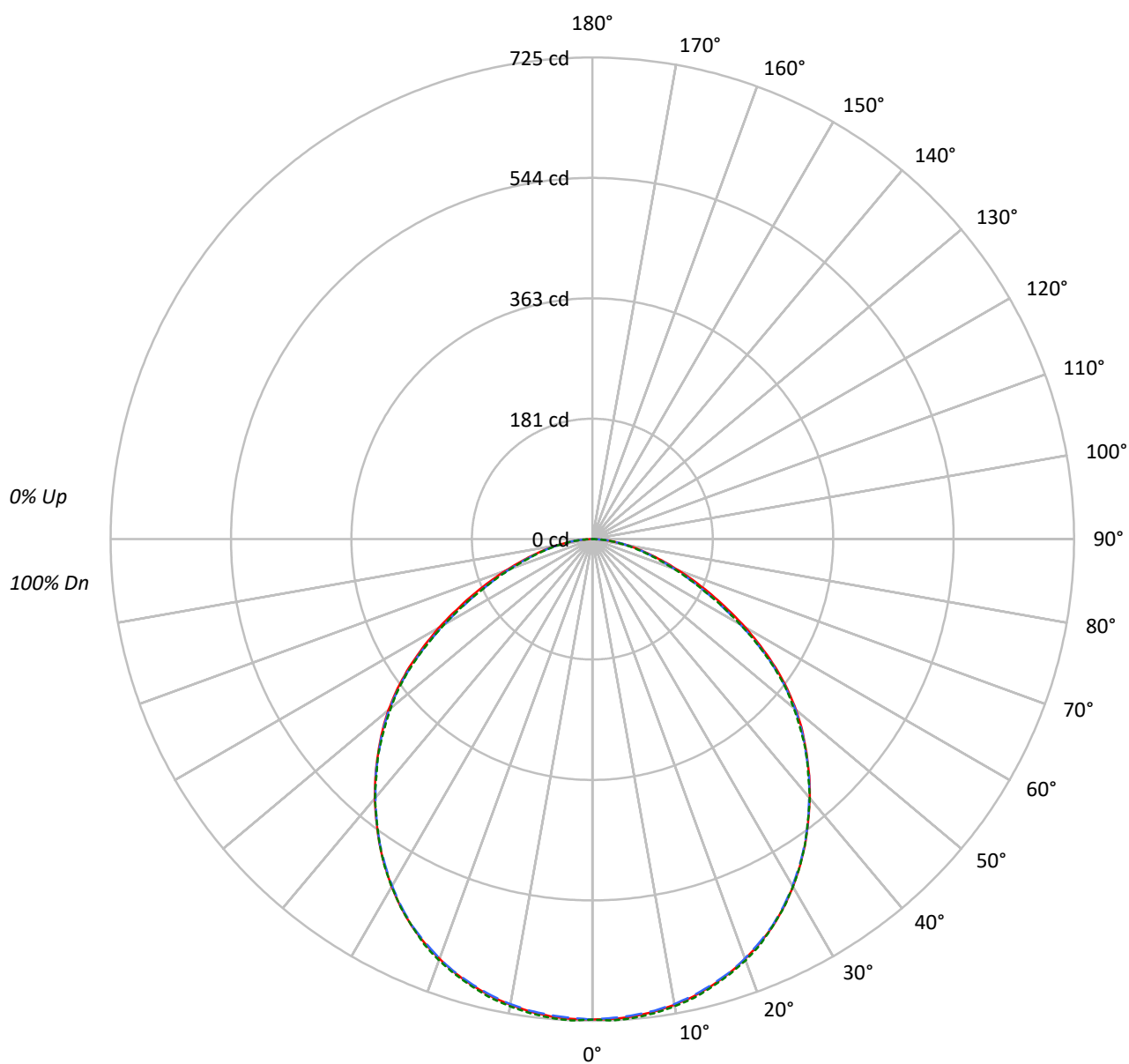
Lumens per Lamp: N/A
Luminaire Lumens: 1868.2 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1050850

CATALOG NUMBER: 24PTR-20-PP3-L830-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050850

CATALOG NUMBER: 24PTR-20-PP3-L830-UNV-STD-W

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	973	973	973
5°	974	972	977
10°	972	971	976
15°	969	967	972
20°	963	962	966
25°	954	953	954
30°	938	936	938
35°	918	917	917
40°	894	891	894
45°	867	865	866
50°	838	834	828
55°	789	780	778
60°	716	692	693
65°	629	598	597
70°	544	519	513
75°	470	453	443
80°	417	411	392
85°	344	357	335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 871 cd/sqm

TEST NUMBER: P1050850

CATALOG NUMBER: 24PTR-20-PP3-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	3.7
10°-20°	196.4	10.5
20°-30°	295.8	15.8
30°-40°	349.1	18.7
40°-50°	351.1	18.8
50°-60°	296.4	15.9
60°-70°	190.3	10.2
70°-80°	94.7	5.1
80°-90°	25.9	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	560.8	30.0
0°-40°	909.8	48.7
0°-60°	1557.3	83.4
0°-90°	1868.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1868.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	723	723	723	723	723	
5°	721	721	719	723	723	69
15°	696	696	694	698	698	196
25°	643	643	642	643	642	296
35°	559	559	558	558	558	349
45°	456	458	454	455	455	352
55°	336	336	332	331	332	299
65°	198	195	188	186	187	197
75°	90	90	87	86	85	98
85°	22	23	23	22	22	26
90°	0	0	0	0	0	

TEST NUMBER: P1050850

CATALOG NUMBER: 24PTR-20-PP3-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	723.1	723.1	723.1	723.1	723.1
2.5°	722.8	723.1	721.2	724.6	725.2
5°	721.0	721.2	719.3	722.8	723.3
7.5°	717.2	717.5	715.9	719.1	719.6
10°	711.7	712.6	710.7	713.6	714.1
12.5°	704.9	705.2	703.3	706.8	707.3
15°	695.8	696.0	694.5	697.6	697.6
17.5°	685.2	685.5	684.4	687.1	686.8
20°	672.4	673.2	671.9	673.7	674.7
22.5°	658.5	658.8	657.2	659.6	660.6
25°	642.8	643.0	641.7	643.0	642.5
27.5°	624.4	624.8	623.0	624.4	624.6
30°	603.9	605.2	602.6	603.7	603.9
32.5°	581.8	582.6	580.8	581.1	582.4
35°	558.7	559.0	558.0	558.5	558.5
37.5°	533.9	534.9	533.3	534.0	533.0
40°	509.2	508.1	507.5	508.1	508.9
42.5°	483.1	483.4	482.6	482.1	480.8
45°	455.8	457.5	454.5	455.1	455.1
47.5°	429.1	429.3	427.8	426.2	425.1
50°	400.5	400.5	398.6	397.4	395.8
52.5°	369.3	368.8	366.7	365.3	366.1
55°	336.5	336.2	332.5	331.2	331.5
57.5°	300.5	301.1	295.5	294.2	294.2
60°	266.2	263.5	257.2	255.4	257.7
62.5°	230.1	227.0	220.2	220.2	222.0
65°	197.6	194.7	187.7	185.8	187.4
67.5°	167.2	164.5	158.0	157.0	157.4
70°	138.3	136.0	132.0	129.6	130.5
72.5°	113.4	111.3	108.6	106.8	105.8
75°	90.5	90.0	87.2	86.3	85.3
77.5°	71.6	71.4	69.0	68.0	66.9
80°	53.8	53.5	53.0	51.4	50.6
82.5°	38.3	38.3	38.1	36.7	36.0
85°	22.3	23.1	23.1	21.7	21.7
87.5°	9.0	9.4	9.0	9.0	8.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)